

Docket No. ARIAD 317C

I hereby certify that this paper is being deposited with the United States Postal Service "First Class Mail" on the date indicated below and is addressed to the Comm. of Patents and Trademarks, Washington, DC 20231

Signed _____
Date _____

COPY

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "REGULATED APOPTOSIS" the specification of which

[] is attached hereto
[X] was filed on August 18, 1994 as Application Serial No. 08/292,597.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR 1.56(a).

I hereby claim foreign priority benefits under Title 35, USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Number	Country	Date Filed	Priority Claimed
<u>PCT/US94/01617</u>	<u>All designated</u>	<u>2/14/94</u>	<u>Yes</u>
<u>PCTUS94/08008</u>	<u>All designated</u>	<u>7/18/94</u>	<u>Yes</u>

I hereby claim the benefit under Title 35, USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, USC 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. Ser. No.	Filing Date	Status
<u>08/093,499</u>	<u>16 July 1993</u>	<u>Pending</u>
<u>08/179,143</u>	<u>7 January 1994</u>	<u>Pending</u>

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

David L. Bernstein, Reg. No. 31,235
ARIAD Pharmaceuticals, Inc.
26 Landsdowne Street
Cambridge, Massachusetts 02139
617-494-0400 Ext. 266

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Gerald R. Crabtree Date 10-20-94
Inventor's signature [Signature]
Residence 7 Durham Road, Woodside, CA 94062
Citizenship USA

Full name of second inventor Stuart L. Schreiber Date 10-31-94
Inventor's signature [Signature]
Residence Harvard University, Dept. of Chemistry, 12 Oxford Street, Cambridge, MA 02138
Citizenship USA

Full name of third inventor David M. Spencer Date 10-25-94
Inventor's signature [Signature]
Residence 115 East Edith Avenue, Los Altos, CA 94022
Citizenship USA 345 ARBOLEDA OR 94024

Full name of third inventor Thomas J. Wandless Date 31 X 94
Inventor's signature [Signature]
Residence Harvard University, Dept. of Chemistry, 12 Oxford Street, Cambridge, MA 02138
Citizenship USA

Full name of third inventor Peter Belshaw Date 11-2-94
Inventor's signature [Signature]
Residence Harvard University, Dept. of Chemistry, 12 Oxford Street, Cambridge, MA 02138
Citizenship USA CANADA 41 LEWIS ST. APT 1
SOMERVILLE MA 02143 RS.

Attorney's Docket Number: APV-317.03
(Formerly ARIAD 317C)

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REGULATED APOPTOSIS

the specification of which was filed in the U.S. Patent and Trademark Office on: August 18, 1994,
as U.S. Serial Number 08/292,597.

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

* * * * *

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one: ☒ no such applications have been filed.
— such applications have been filed as follows

10054712-111301

(Application Serial No.)	(Filing Date)	(Status)
<u>08/179,748</u> (Application Serial No.)	<u>07 January 1994</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/093,499</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/092,977</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/017,931</u> (Application Serial No.)	<u>12 February 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Donald W. Muirhead	Reg. No. 33,978	Charles H. Cella	Reg. No. 38,099
Beth E. Arnold	Reg. No. 35,430	John C. Gorecki	Reg. No. 38,741
Matthew P. Vincent	Reg. No. 36,709	Edward J. Kelly	Reg. No. 38,936
Isabelle M. Clauss	Reg. No. (see attached)	Sayoko Blodgett-Ford	Reg. No. 40,516
		Anita Varma	Reg. No. P-43,221

Send Correspondence to: Patent Group
Foley, Hoag & Eliot LLP
One Post Office Square
Boston, MA 02109

Direct Telephone Calls to: Matthew P. Vincent, Ph.D. (617) 832-1000

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10054712-11301

10054712-111301

Full name of sole or first inventor	
Gerald Crabtree	Date
Inventor's signature	
Residence	
7 Durham Road, Woodside, CA 94602	
Citizenship	
USA	
Post Office Address (if different)	

Full name of second inventor	
Stuart Schreiber	Date
Inventor's signature	
Residence	
434 Marlborough Street, Boston, MA 02115	
Citizenship	
USA	
Post Office Address (if different)	

Full name of third inventor	
David Spencer	Date
Inventor's signature	
Residence	
7171 Buffalo Speedway #1436, Houston, TX 77025	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fourth inventor	
Thomas Wandless	Date
Inventor's signature	
Residence	
334 Grant Avenue, Palo Alto, CA 94306	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fifth inventor
Peter Belshaw

Inventor's signature

Date

2/17/98

Residence

41 Lewis Street #1, Somerville MA 02143

Citizenship

~~USA~~ CANADA ~~OR~~

Post Office Address (if different)

10054712.111301



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Isabelle M. Clauss is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Foley, Hoag & Eliot, LLP, law firm to prepare and prosecute patent applications, wherein the applicants are clients of the Foley, Hoag & Eliot, LLP, law firm, and wherein a registered practitioner who is a member of the Foley, Hoag & Eliot, LLP, law firm is the attorney of record. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Isabelle M. Clauss ceases to lawfully reside in the United States, (ii) Isabelle M. Clauss' employment with Foley, Hoag & Eliot, LLP, law firm ceases or is terminated, or (iii) Isabelle M. Clauss ceases to remain or reside in the United States on a H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: April 16, 1998

Karen L. Bovard, Director
Office of Enrollment and Discipline

10054712 "111301

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REGULATED APOPTOSIS

the specification of which was filed in the U.S. Patent and Trademark Office on: August 18, 1994, as U.S. Serial Number 08/292,597.

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

* * * * *

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one: ☒ no such applications have been filed.
☐ such applications have been filed as follows

10054712 111301

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

* * * * *

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 or §119(e) of any United States application(s) and/or provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

08/196,043
(Application Serial No.)

11 February 1994
(Filing Date)

ALLOWED
(Status)

08/179,143

07 January 1994

ABANDONED

10054742 "11304

(Application Serial No.)	(Filing Date)	(Status)
<u>08/179,748</u> (Application Serial No.)	<u>07 January 1994</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/093,499</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/092,977</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/017,931</u> (Application Serial No.)	<u>12 February 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Donald W. Muirhead	Reg. No. 33,978	Charles H. Cella	Reg. No. 38,099
Beth E. Arnold	Reg. No. 35,430	John C. Gorecki	Reg. No. 38,741
Matthew P. Vincent	Reg. No. 36,709	Edward J. Kelly	Reg. No. 38,936
Isabelle M. Clauss	Reg. No. (see attached)	Sayoko Blodgett-Ford	Reg. No. 40,516
		Anita Varma	Reg. No. P-43,221

Send Correspondence to: Patent Group
Foley, Hoag & Eliot LLP
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Boston, MA 02109

Direct Telephone Calls to: Matthew P. Vincent, Ph.D. (617) 832-1000


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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10054742-111301

10054712 111301

Full name of sole or first inventor	
Gerald Crabtree	Date
Inventor's signature	
Residence	
7 Durham Road, Woodside, CA 94602	
Citizenship	
USA	
Post Office Address (if different)	

Full name of second inventor	
Stuart Schreiber	Date
Inventor's signature 	March 11 1998
Residence	
434 Marlborough Street, Boston, MA 02115	
Citizenship	
USA	
Post Office Address (if different)	

Full name of third inventor	
David Spencer	Date
Inventor's signature	
Residence	
7171 Buffalo Speedway #1436, Houston, TX 77025	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fourth inventor	
Thomas Wandless	Date
Inventor's signature	
Residence	
334 Grant Avenue, Palo Alto, CA 94306	
Citizenship	
USA	
Post Office Address (if different)	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

* * * * *

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 or §119(e) of any United States application(s) and/or provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

08/196,043
(Application Serial No.)

11 February 1994
(Filing Date)

ALLOWED
(Status)

08/179,143

07 January 1994

ABANDONED

10054712-11301

Full name of fifth inventor

Peter Belshaw

Inventor's signature

Date

Residence

41 Lewis Street #1, Somerville MA 02143

Citizenship

USA

Post Office Address (if different)

10054712.11301



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Isabelle M. Clauss is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Foley, Hoag & Eliot, LLP, law firm to prepare and prosecute patent applications, wherein the applicants are clients of the Foley, Hoag & Eliot, LLP, law firm, and wherein a registered practitioner who is a member of the Foley, Hoag & Eliot, LLP, law firm is the attorney of record. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Isabelle M. Clauss ceases to lawfully reside in the United States, (ii) Isabelle M. Clauss' employment with Foley, Hoag & Eliot, LLP, law firm ceases or is terminated, or (iii) Isabelle M. Clauss ceases to remain or reside in the United States on a H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: April 16, 1998

Karen L. Bovard, Director
Office of Enrollment and Discipline

10054732 111301

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

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I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REGULATED APOPTOSIS

the specification of which was filed in the U.S. Patent and Trademark Office on: August 18, 1994, as U.S. Serial Number 08/292,597.

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Check one: ☒ no such applications have been filed.
 ☐ such applications have been filed as follows

10054712-111301

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119
			_ Yes No _
			_ Yes No _
			_ Yes No _

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

* * * * *

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08/196.043
(Application Serial No.)

11 February 1994
(Filing Date)

ALLOWED
(Status)

08/179.143

07 January 1994

ABANDONED

10054712 441304

(Application Serial No.)	(Filing Date)	(Status)
<u>08/179,748</u> (Application Serial No.)	<u>07 January 1994</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/093,499</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
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Beth E. Arnold	Reg. No. 35,430	John C. Gorecki	Reg. No. 38,741
Matthew P. Vincent	Reg. No. 36,709	Edward J. Kelly	Reg. No. 38,936
Isabelle M. Clauss	Reg. No. (see attached)	Sayoko Blodgett-Ford	Reg. No. 40,516
		Anita Varma	Reg. No. P-43,221

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One Post Office Square
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Direct Telephone Calls to: Matthew P. Vincent, Ph.D. (617) 832-1000

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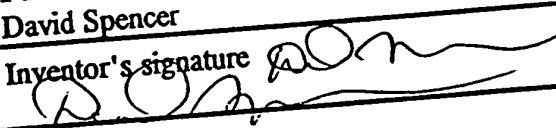
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10054712-11301

10054742 111301

Full name of sole or first inventor	
Gerald Crabtree	Date
Inventor's signature	
Residence	
7 Durham Road, Woodside, CA 94602	
Citizenship	
USA	
Post Office Address (if different)	

Full name of second inventor	
Stuart Schreiber	Date
Inventor's signature	
Residence	
434 Marlborough Street, Boston, MA 02115	
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Post Office Address (if different)	

Full name of third inventor	
David Spencer	Date
Inventor's signature  2/17/98	2/13/98
Residence	
7171 Buffalo Speedway #1436, Houston, TX 77025	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fourth inventor	
Thomas Wandless	Date
Inventor's signature	
Residence	
334 Grant Avenue, Palo Alto, CA 94306	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fifth inventor
Peter Belshaw

Date

Inventor's signature

Residence
41 Lewis Street #1, Somerville MA 02143

Citizenship
USA

Post Office Address (if different)

10054713-11301



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Isabelle M. Clauss is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Foley, Hoag & Eliot, LLP, law firm to prepare and prosecute patent applications, wherein the applicants are clients of the Foley, Hoag & Eliot, LLP, law firm, and wherein a registered practitioner who is a member of the Foley, Hoag & Eliot, LLP, law firm is the attorney of record. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Isabelle M. Clauss ceases to lawfully reside in the United States, (ii) Isabelle M. Clauss' employment with Foley, Hoag & Eliot, LLP, law firm ceases or is terminated, or (iii) Isabelle M. Clauss ceases to remain or reside in the United States on a H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: April 16, 1998

Karen L. Bovard, Director
Office of Enrollment and Discipline

10054712-111301
TOGETT "2125001

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REGULATED APOPTOSIS

the specification of which was filed in the U.S. Patent and Trademark Office on: August 18, 1994, as U.S. Serial Number 08/292,597.

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

* * * * *

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one: ☒ no such applications have been filed.
☐ such applications have been filed as follows

10054712-111301

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

* * * * *

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 or §119(e) of any United States application(s) and/or provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

08/196,043
(Application Serial No.)

11 February 1994
(Filing Date)

ALLOWED
(Status)

08/179,143

07 January 1994

ABANDONED

10054712-111304

(Application Serial No.)	(Filing Date)	(Status)
<u>08/179,748</u> (Application Serial No.)	<u>07 January 1994</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/093,499</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/092,977</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/017,931</u> (Application Serial No.)	<u>12 February 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Donald W. Muirhead	Reg. No. 33,978	Charles H. Cella	Reg. No. 38,099
Beth E. Arnold	Reg. No. 35,430	John C. Gorecki	Reg. No. 38,741
Matthew P. Vincent	Reg. No. 36,709	Edward J. Kelly	Reg. No. 38,936
Isabelle M. Clauss	Reg. No. (see attached)	Sayoko Blodgett-Ford	Reg. No. 40,516
		Anita Varma	Reg. No. P-43,221

Send Correspondence to: Patent Group
Foley, Hoag & Eliot LLP
One Post Office Square
Boston, MA 02109

Direct Telephone Calls to: Matthew P. Vincent, Ph.D. (617) 832-1000

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


10054742-111301

10054742-111304

Full name of sole or first inventor	
Gerald Crabtree	Date
Inventor's signature	
Residence	
7 Durham Road, Woodside, CA 94602	
Citizenship	
USA	
Post Office Address (if different)	

Full name of second inventor	
Stuart Schreiber	Date
Inventor's signature	
Residence	
434 Marlborough Street, Boston, MA 02115	
Citizenship	
USA	
Post Office Address (if different)	

Full name of third inventor	
David Spencer	Date
Inventor's signature	
Residence	
7171 Buffalo Speedway #1436, Houston, TX 77025	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fourth inventor	
Thomas Wandless	Date 18 II 1998
Inventor's signature 	
Residence	
334 Grant Avenue, Palo Alto, CA 94306	
Citizenship	
USA	
Post Office Address (if different)	

Full name of fifth inventor
Peter Belshaw

Date

Inventor's signature

Residence
41 Lewis Street #1, Somerville MA 02143

Citizenship
USA

Post Office Address (if different)

1054712 44384



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Isabelle M. Clauss is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Foley, Hoag & Eliot, LLP, law firm to prepare and prosecute patent applications, wherein the applicants are clients of the Foley, Hoag & Eliot, LLP, law firm, and wherein a registered practitioner who is a member of the Foley, Hoag & Eliot, LLP, law firm is the attorney of record. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Isabelle M. Clauss ceases to lawfully reside in the United States, (ii) Isabelle M. Clauss' employment with Foley, Hoag & Eliot, LLP, law firm ceases or is terminated, or (iii) Isabelle M. Clauss ceases to remain or reside in the United States on a H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: April 16, 1998

Karen L. Bovard, Director
Office of Enrollment and Discipline

10054712-111304

Attorney's Docket Number: APV-317.03
(Formerly ARIAD 317C)

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REGULATED APOPTOSIS

the specification of which was filed in the U.S. Patent and Trademark Office on: August 18, 1994,
as U.S. Serial Number 08/292,597.

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

* * * * *

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one: ☒ no such applications have been filed.
☐ such applications have been filed as follows

10054712 "11301
FOETT 214500T

(Application Serial No.)	(Filing Date)	(Status)
<u>08/179,748</u> (Application Serial No.)	<u>07 January 1994</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/093,499</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/092,977</u> (Application Serial No.)	<u>16 July 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)
<u>08/017,931</u> (Application Serial No.)	<u>12 February 1993</u> (Filing Date)	<u>ABANDONED</u> (Status)

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Matthew P. Vincent	Reg. No. 36,709	Edward J. Kelly	Reg. No. 38,936
Isabelle M. Clauss	Reg. No. (see attached)	Sayoko Blodgett-Ford	Reg. No. 40,516
		Anita Varma	Reg. No. P-43,221

Send Correspondence to: Patent Group
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Boston, MA 02109

Direct Telephone Calls to: Matthew P. Vincent, Ph.D. (617) 832-1000

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

10054712 "111304
FOLEY, HOAG & ELIOT

Full name of sole or first inventor

Gerald Crabtree

Inventor's signature

Gerald R. Crabtree

Date

2/12/98

Residence

7 Durham Road, Woodside, CA 94602

Citizenship

USA

Post Office Address (if different)

Full name of second inventor

Stuart Schreiber

Inventor's signature

Date

Residence

434 Marlborough Street, Boston, MA 02115

Citizenship

USA

Post Office Address (if different)

Full name of third inventor

David Spencer

Inventor's signature

Date

Residence

7171 Buffalo Speedway #1436, Houston, TX 77025

Citizenship

USA

Post Office Address (if different)

Full name of fourth inventor

Thomas Wandless

Inventor's signature

Date

Residence

334 Grant Avenue, Palo Alto, CA 94306

Citizenship

USA

Post Office Address (if different)

10054712-11301

Full name of fifth inventor
Peter Belshaw

Date

Inventor's signature

Residence
41 Lewis Street #1, Somerville MA 02143

Citizenship
USA

Post Office Address (if different)

10054742.111301



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

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This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: April 16, 1998

Karen L. Bovard, Director
Office of Enrollment and Discipline

10054742-11301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, DC 20231

REVOCATION OF PRIOR POWERS OF ATTORNEY AND APPOINTMENT OF NEW POWER OF ATTORNEY

Sir:

President and Fellows of Harvard College, the Assignee of certain rights, titles and interest in the patent applications listed below by virtue of Assignment documents of record in the Patent Office, hereby revokes all previous powers of attorney with respect to these patent applications heretofore granted and appoints the following attorneys with full power of substitution and revocation to prosecute applications and transact all business in the U.S. Patent and Trademark Office connected therewith:

Donald W. Muirhead Reg. No. 33,978
Beth E. Arnold Reg. No. 35,430
Matthew P. Vincent Reg. No. 36,709

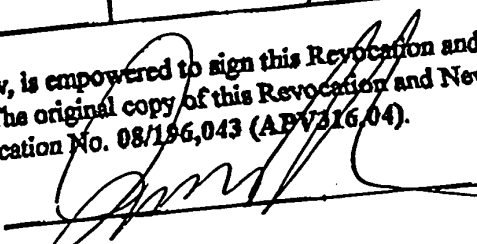
Charles H. Cella Reg. No. 38,099
John C. Gorecki Reg. No. 38,471
Edward J. Kelly Reg. No. 38,936
Sayoko Blodgett-Ford Reg. No. P-40516

all of the Patent Group of Foley, Hoag & Elliot LLP at One Post Office Square, Boston, MA 02109.

APPLICANT	SERIAL NO.	TITLE	FILING DATE	DOCKET NO.
Gerald Crabtree et al.	08/292,597	REGULATED APOPTOSIS	18 August 1994	APV317.03 (formerly ARIAD 317C)
Gerald Crabtree et al.	08/196,043	REGULATED TRANSCRIPTION OF TARGETED GENES AND OTHER BIOLOGICAL EVENTS	11 February 1994	APV316.04 (formerly ARIAD 316C)
Gerald Crabtree et al.	08/388,653	REGULATED TRANSCRIPTION OF TARGETED GENES AND OTHER BIOLOGICAL EVENTS	14 February 1995	APV316.05 (formerly ARIAD 316D)
Gerald Crabtree et al.	08/478,386	REGULATED TRANSCRIPTION OF TARGETED GENES AND OTHER BIOLOGICAL EVENTS	7 June 1995	APV316.07 (formerly ARIAD 316D-DV)

The undersigned, whose title is supplied below, is empowered to sign this Revocation and New Power of Attorney on behalf of the Assignee. The original copy of this Revocation and New Power of Attorney is being filed in U.S. Patent Application No. 08/196,043 (APV316.04).

Dated: 7/16/97


Joyce Brinton
PRINT OR TYPE NAME OF PERSON SIGNING

Inventor, OTTL
TITLE Harvard University

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, DC 20231

REVOCATION OF PRIOR POWERS OF ATTORNEY AND
APPOINTMENT OF NEW POWER OF ATTORNEY

Sir:

Board of Trustees of the Leland Stanford Junior University, the Assignee of certain rights, titles and interest in the patent applications listed below by virtue of Assignment documents of record in the Patent Office, hereby revokes all previous powers of attorney with respect to these patent applications heretofore granted and appoints the following attorneys with full power of substitution and revocation to prosecute applications and transact all business in the U.S. Patent and Trademark Office connected therewith:

Donald W. Muirhead	Reg. No. 33,978	Charles H. Cella	Reg. No. 38,099
Beth E. Arnold	Reg. No. 35,430	John C. Gorecki	Reg. No. 38,471
Matthew P. Vincent	Reg. No. 36,709	Edward J. Kelly	Reg. No. 38,936
		Sayoko Blodgett-Ford	Reg. No. P-40516

all of the Patent Group of Foley, Hoag & Eliot LLP at One Post Office Square, Boston, MA 02109.

APPLICANT	SERIAL NO.	TITLE	FILING DATE	DOCKET NO.
Gerald Crabtree et al.	08/292,597	REGULATED APOPTOSIS	18 August 1994	APV317.03 (formerly ARIAD 317C)
Gerald Crabtree et al.	08/196,043	REGULATED TRANSCRIPTION OF TARGETED GENES AND OTHER BIOLOGICAL EVENTS	11 February 1994	APV316.04 (formerly ARIAD 316C)
Gerald Crabtree et al.	08/388,653	REGULATED TRANSCRIPTION OF TARGETED GENES AND OTHER BIOLOGICAL EVENTS	14 February 1995	APV316.05 (formerly ARIAD 316D)
Gerald Crabtree et al.	08/478,386	REGULATED TRANSCRIPTION OF TARGETED GENES AND OTHER BIOLOGICAL EVENTS	7 June 1995	APV316.07 (formerly ARIAD 316D-DV)

The undersigned, whose title is supplied below, is empowered to sign this Revocation and New Power of Attorney on behalf of the Assignee. The original copy of this Revocation and New Power of Attorney is being filed in U.S. Patent Application No. 08/196,043 (APV316.04).

Dated: July 16, 1997

Natharine M. Ku
NATHARINE M.

PRINT OR TYPE NAME OF PERSON SIGNING

DIRECTOR
TECHNOLOGY LICENSING

TITLE

Applicant:
Serial No.:
Filed:
For:

Gerald R. Crabtree et al

Herewith

REGULATED APOPTOSIS

Docket No.: ARIAD 317C

COPY

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9 (f) and 1.27(c)) - SMALL BUSINESS CONCERN**

I hereby declare that I am an official of ARIAD Pharmaceuticals, Inc., 26 Landsdowne Street, Cambridge, Massachusetts 02139.

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, on concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled REGULATED APOPTOSIS by inventor(s) Gerald R. Crabtree, Stuart L. Schreiber, David M. Spencer, Thomas J. Wandless and Peter Belshaw described in

☒ the specification filed herewith _____, filed _____
☐ application serial no. _____, issued _____
☐ patent no. _____

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e)

Name The Board of Trustees of the Leland Stanford Junior University

Address Stanford University, Stanford, California 94305

☐ Small Business Concern

☒ Nonprofit Organization

Name President and Fellows of Harvard College

Address 17 Quincy Street, Cambridge, Massachusetts 02138

☐ Small Business Concern

☒ Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time or paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

Express Mail Label EF 075232 975 US
I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated above and is addressed to the Comm. of Patents and Trademarks, Washington, DC 20231.

Signed

David L. Bernstein

Date

August 18, 1994

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name David L. Bernstein
Title Vice President, Chief Patent Counsel
Address ARIAD Pharmaceuticals, Inc., 26 Landsdowne Street, Cambridge, MA 02139
Signature David L. Bernstein Date 8/18/54

10054712.11301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**GENERAL REVOCATION OF PRIOR POWERS OF ATTORNEY AND
APPOINTMENT OF NEW POWER OF ATTORNEY OR AUTHORIZATION OF AGENTS**

Commissioner for Patents
Washington, DC 20231

COPY

Dear Sir:

Ariad Pharmaceuticals, Inc., hereby revokes all previous powers of attorney and
authorizations of agent previously granted to Foley, Hoag & Eliot.

The following attorneys or agents of the Patent Group at Ropes & Gray, and all other
attorneys or agents affiliated with Customer No. 28120, are hereby appointed to prosecute
applications and transact all business in the United States Patent and Trademark Office:

I hereby appoint Madeline F. Baer, Reg. No. 36,437; Steven J. Baughman, Reg. No. P-47,414; Johnny Y. Chen, Reg. No. 46,614;
Gregory G. Glover, Reg. No. 34,173; William G. Gosz, Reg. No.: 27,787; Patricia Granahan, Reg. No. 32,227; David P. Halstead, Reg.
No. 44,735; Daniel Hansburg, Reg. No. 36,156; Edward J. Kelly, Reg. No. 38,936; Robert A. Mazzaresse, Reg. No. 42,852; Sanjay
Sitlani, Reg. No. 47,558; Wolfgang Stutius, Reg. No. 40,256; Matthew P. Vincent, Reg. No. 36,709; as attorneys/agents to prosecute
this application and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

Patent Group
Ropes & Gray
One International Place
Boston, MA 02110-2624

Customer No.: 28120

The undersigned, whose title is supplied below, is empowered to sign this Revocation
and New Power of Attorney on behalf of the Assignee.

The original copy of this Revocation and New Power of Attorney is being filed in U.S.
Patent Application No. 08/975,040.

Respectfully submitted,

6/14/01
Date

David L. Bernstein

Officer

DAVID L. BERNSTEIN

Print or Type Name of Person Signing

SENIOR VP- CHIEF PATENT COUNSEL

Title